

**IN THE CLAIMS:**

Please amend claims 1 and 10 to correct minor errors as follows:

1. (Currently Amended) A method for extracting nucleic acids comprising:
  - setting a first mixed liquid at a certain temperature, wherein the first mixed liquid containing a protease, a chaotropic salt, a surfactant and a sample;
  - adding Diethylene glycol dimethyl ether to the first mixed liquid to get a second mixed liquid after the step of setting a first mixed liquid;
  - absorbing nucleic acids, contained in the second mixed liquid, to a support[[:]];
  - washing the support with a solution containing ethanol; and
  - recovering the nucleic acids absorbed to the support, by eluting from the support.
2. (Original) A method according to claim 1, wherein the sample is a tissue.
3. (Original) A method according to claim 1, wherein the sample is an urine.
- 4-9. (Cancelled)
10. (Currently Amended) A method for extracting nucleic acids from blood comprising:
  - setting a first mixed liquid at a certain temperature, wherein the first mixed liquid containing a protease, a chaotropic salt, a surfactant and a sample[[:]];
  - adding at least one of compounds which are any of aliphatic ether, aliphatic ester, and aliphatic ketone containing 2 to 10 carbon atoms to the first mixed liquid to get a second mixed liquid after the step of setting a first mixed liquid;
  - absorbing nucleic acids, contained in the second mixed liquid, to a support[[:]];
  - washing the support with a solution containing ethanol; and
  - recovering the nucleic acids, absorbed to the support, by eluting from the support, wherein the one of the compounds is any of Ethylene glycol dimethyl ether, Ethylene glycol diethyl ether, Propylene glycol dimethyl ether, Propylene glycol diethyl ether, Diethylene glycol dimethyl ether, Diethylene glycol diethyl ether, Tetrahydrofuran, 1,4-Dioxane, Propylene glycol monomethyl ether acetate, Ethyl lactate, Hydroxyacetone, Acetone, and Methyl ethyl ketone.

11-13. (Cancelled)

14. (Previously Amended) A method for extracting nucleic acids comprising:

lysing cells for getting a first mixed liquid;

adding at least one of compounds which are any of aliphatic ether, aliphatic ester, and aliphatic ketone, containing 2 to 10 carbon atoms to the first mixed liquid for getting a second mixed liquid;

absorbing nucleic acids, contained in the second mixed liquid, to a support by letting the second mixed liquid passing through a vessel containing the support both a way by sucking force and a substantially opposite way;

washing the support; and

eluting the nucleic acids, absorbed to the support, from the support, wherein a liquid passes through the vessel containing the support both a way by sucking force and a substantially opposite way during at least one of the washing or the eluting, wherein the one of the compounds is any of Ethylene glycol dimethyl ether, Ethylene glycol diethyl ether, Propylene glycol dimethyl ether, Propylene glycol diethyl ether, Diethylene glycol dimethyl ether, Diethylene glycol diethyl ether, Tetrahydrofuran, 1,4-Dioxane, Propylene glycol monomethyl ether acetate, Ethyl lactate, Hydroxyacetone, Acetone, and Methyl ethyl ketone.

15. (Previously Amended) A method for extracting nucleic acids comprising:

lysing cells for getting a first mixed liquid;

adding at least one of compounds which are any of aliphatic ether, aliphatic ester, and aliphatic ketone, containing 2 to 10 carbon atoms to the first mixed liquid for getting a second mixed liquid;

absorbing nucleic acids, contained in the second mixed liquid, to a support by letting the second mixed liquid passing through a vessel containing the support both a way by sucking force and a substantially opposite way;

washing the support; and

eluting the nucleic acids, absorbed to the support, from the support, wherein the one of the compounds is any of Ethylene glycol dimethyl ether, Ethylene glycol diethyl ether, Propylene glycol dimethyl ether, Propylene glycol diethyl ether,

Diethylene glycol dimethyl ether, Diethylene glycol diethyl ether, Tetrahydrofuran, 1,4-Dioxane, Propylene glycol monomethyl ether acetate, Ethyl lactate, Hydroxyacetone, Acetone, and Methyl ethyl ketone.

16. (Cancelled)

17. (Previously Amended) A method for extracting nucleic acids comprising:

lysing cells for getting a first mixed liquid;

adding at least one of compounds which are any of aliphatic ether, aliphatic ester, and aliphatic ketone, containing 2 to 10 carbon atoms to the first mixed liquid for getting a second mixed liquid;

transferring the second mixed liquid into a column containing a support;

absorbing nucleic acids, contained in the second mixed liquid, to a support by sucking the second mixed liquid from the column;

washing the support by injecting a washing solution into the column and sucking the washing solution from the column; and

eluting the nucleic acids, absorbed to the support, from the support by injecting a eluting solution into the column and sucking the eluting solution from the column wherein the one of the compounds is any of Ethylene glycol dimethyl ether, Ethylene glycol diethyl ether, Propylene glycol dimethyl ether, Propylene glycol diethyl ether, Diethylene glycol dimethyl ether, Diethylene glycol diethyl ether, Tetrahydrofuran, 1,4-Dioxane, Propylene glycol monomethyl ether acetate, Ethyl lactate, Hydroxyacetone, Acetone, and Methyl ethyl ketone.

18-20. (Cancelled)